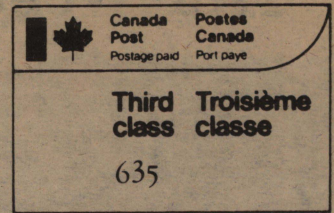




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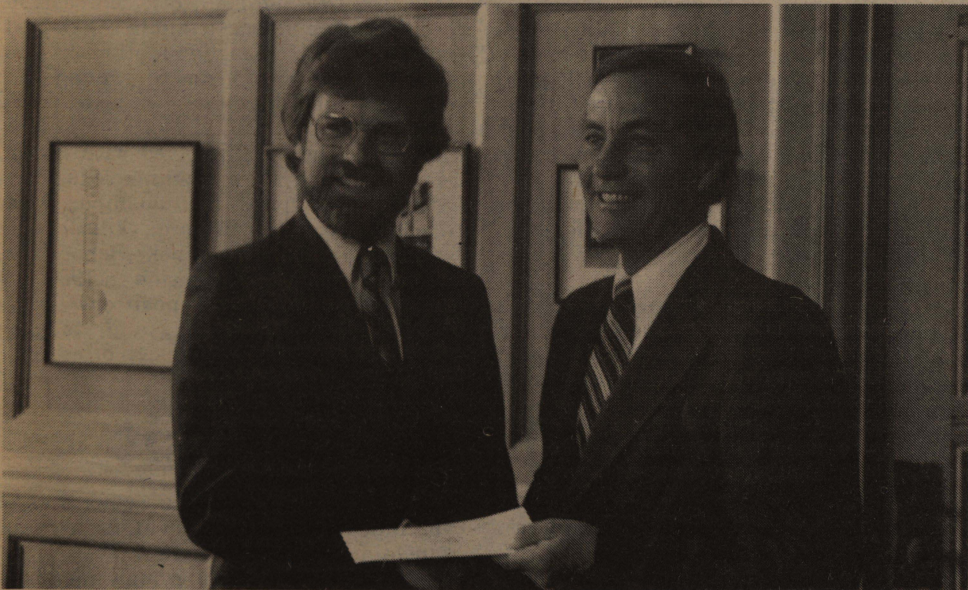
"Summer afternoon - summer afternoon; to me those have always been the two most beautiful words in the English language."

-Henry James (1842-1916)

University of Victoria

Volume 9, Number 17, July 8, 1983

UVic grad captures top scholarship



Wright receives cheque from Bennett

Kevin Wright, winner of the Governor General's Medal as the top graduating UVic student in Arts and Science in 1982, is the winner of the provincial government's highest scholastic award, the Queen Elizabeth II B.C. Centennial Scholarship.

The 22-year-old Wright, a graduate in honors psychology, will use the \$20,000 scholarship to study law at Cambridge University.

Also attending Cambridge University will be Andrew Weaver, runner-up for the

QE scholarship and winner of the Governor General's Medal at UVic this year. Weaver receives a provincial scholarship of \$4,000. He has already received a prestigious 1967 Centennial Natural Science and Engineering Research Council (NSERC) scholarship of \$16,000 after completing a four-year honors B.Sc. program in mathematics and physics. Weaver will study applied mathematics at Cambridge, beginning in September.

Wright left for England June 30 and beg-

ins intensive classes July 11 to enable him to enter the second year of a three-year law program in Clare College at Cambridge in October.

The two UVic students and Richard Steeves of Burnaby, a University of British Columbia physiology student who is also a runner-up for the QE scholarship, were congratulated June 28 by B.C. Premier Bill Bennett at his office. They were also introduced to the legislative assembly.

The QE scholarship was established in 1971 to commemorate the visit of Queen Elizabeth to British Columbia in 1971 during the province's centennial celebrations. This year there were 29 applicants for the award.

In 1982 Wright achieved an 8.85 graduating point average, including a remarkable g.p.a. of nine in his fourth-year courses. A graduate of Oak Bay Secondary School, Wright improved his academic standing in each successive year of his four-year academic career at UVic.

Interviewed after his visit with the premier, Wright paid tribute to his family for their encouragement during his academic career. His father, Dr. R. Leslie Wright, was a professor in UVic's Psychology Department from 1967 until his death in 1979. His mother is Mrs. Iris Wright of Victoria. His grandfather is Dr. R.H. Wright, a chemist whose work in olfaction while with the B.C. Research Council is recognized internationally.

"My entire family has a reverence for the value of higher education. They stressed that the pursuit of knowledge was one of the most important things a person could be involved in," said Wright.

"They also stressed that a person must consider the uses made of knowledge."

Wright said the family motto could be, "keep your options open" and in pursuing a career in law he is planning to do just that.

"I see law as a versatile and challenging profession," he said.

"Lawyers are useful agents or catalysts for social evolution and I believe they have an undeserved bad reputation these days. Because the legal system is not perfect, it's hardly fair to place all the blame on the lawyers."

Wright sees exciting new fields in law, opening up in response to the new technology in such areas as biomedicine, computers and communication and genetic engineering.

"I was interested in Cambridge because that university is particularly strong in international law. This is an area of law where changes must be made if mankind is to survive."

He is also interested in legal education. "I may return to a Canadian law school to teach or, depending on my interests, stay in England to study for a graduate degree. In either case, Cambridge is a powerful starting point."

Fees hiked 14.8 per cent

Tuition fees for both graduate and undergraduate students at UVic have been increased by 14.8 per cent, effective in September of this year.

UVic's Board of Governors (BOG) decided to raise the fees at the June meeting after a lengthy study of the question and after studying a request from the Alma Mater Society (AMS) for a freeze on tuition fees at the 1982-83 level.

Robert Picard, chairman of the finance and physical plant committee which recommended the 14.8-per-cent increase, said the committee had to keep in mind the "inescapable cost pressures" on the university.

The committee had also studied fee hikes in other provinces.

The increase of \$8 to \$62 a unit for most UVic undergraduates, raises the fees for a typical 15-unit program in 1983-84 from \$810 to \$930. The fee per unit at the University of British Columbia in 1983-84 is \$61 while at Simon Fraser University it is \$64.

After the BOG meeting, AMS President Brian Stevenson said the fee increase "can only add to the other restraints that students are experiencing this summer."

"This increase will reduce accessibility by forcing many students to abandon or postpone their studies."

"We feel however that the responsibility for this action lies squarely on the shoulders of the provincial government which has been imposing restraints on universities for the past 10 years."

Voting against the fee increase at the

BOG meeting were the two student representatives, Dominique Roelants van Baronaigien and Tim Winkelmans.

"I don't think students can afford the increase," said Roelants van Baronaigien. "If we raise the fees by so much, we will be restricting enrolment to fewer and fewer people."

Dr. Roger Davidson, Dean of Arts and Science, pointed out that the BOG, a year earlier, had approved a fee increase of 14.9 per cent, considerably less than the increases at UBC and SFU. "At that time we stated that we realized that inevitably fees at UVic would have to be increased to achieve comparability with those at other B.C. universities."

Sonia Birch-Jones, Alumni co-ordinator, said the BOG had no alternative and had to "face the hard, cold facts of economic life. There is no question that the fee increase will mean additional hardships for students, but the cause arises from a system that forces us into this position."

BOG chairman Ian Stewart said he was sympathetic to students' points about access to the university system and added that UVic President Dr. Howard Petch has brought attention to the poor participation rate in university in British Columbia compared to the rest of the country.

"Unfortunately it is not within the power of this board to determine government policy concerning post-secondary education," he said. "I realize the fee increase affects students and the budget next month will affect our employees as well."

Where are women in physics?

Educators must quickly address the problem of the scarcity of women in physics, says Dr. Gordon McNabb, President of the Natural Sciences and Engineering Research Council (NSERC).

"There is almost a total absence of women at the post-graduate level in physics," said McNabb. "Physics shares with engineering the dubious distinction of attracting the fewest women among the sciences."

McNabb was speaking at a public forum on future manpower needs for research and development in the 1980s in Canada. The forum was held in University Centre, June 29, during the joint annual meeting of the Canadian Association of Physicists and the Canadian Astronomical Association.

McNabb said he found it difficult

to understand why so few women make a career in physics compared to parallel fields of study such as chemistry and mathematics.

He said only nine per cent of successful applicants for NSERC scholarships in physics were women, compared to 31 per cent in mathematics and 25 per cent in chemistry. "Only engineering, where 13 per cent of successful applicants for NSERC scholarships are women, is comparable to physics."

McNabb said the problem is not isolated in universities. "I recognize that the roots of the problem go down through the high schools and lower."

(For further stories on the forum and the conference, turn to page 4)

Work-study projects wanted

UVic has requested funding from the provincial government for 300 work-study positions this year, and Ted Sawchuck, Director of Student and Ancillary Services, would like departments to submit projects for consideration.

Students with demonstrated needs, including those whose financial requirements are not met by the Canada Student Loan Plan and the B.C. Student Assistance Program, or students who prefer to

work rather than apply for loans, are eligible for positions.

Students are permitted to work a maximum of 150 hours from September through April at \$6 per hour.

Sawchuck requests that departments not submit projects that might involve union jobs such as typing and clerical work, but submit academically related projects.

Her West Coast designs receive national awards



Woods: wins two national awards

Special week planned

A committee of faculty staff and students on campus are preparing a series of special events for a very special week in October.

National Universities Week, a first for Canada's academic community, will be celebrated on campuses across the country from Oct. 2 through 8.

The purpose of the week is to demonstrate the essential role of individual universities in the life of the community and to emphasize the contributions made by universities to business, industry and the local economy.

At UVic, the National Universities Week committee is chaired and co-ordinated by Sonia Birch-Jones, Director of Alumni with Tim Humphreys of Information Services as vice-chairman.

Students, represented on the committee by Alma Mater Society Vice-President Richard de Boer, are planning a special Students' Day with a program for visitors to include major features of student life on campus.

The Athletics Department will stage an old fashioned Community Sports Day to kick off the week, with the public invited to come to campus to participate in sack races, three-legged races and egg-and-spoon races. Special athletic demonstrations will be available in the evening in the McKinnon Centre.

Faculty representative, Dr. Gordon Shrimpton, president of the Faculty Association, is in the process of consulting with faculty on the possibility of holding a Faculty Research Day, while Prof. Hamar Foster (Law) along with members of the Law Faculty, students and the Theatre Department are planning to hold two mock trials during the week.

Staff are represented by Liliane Morgan, president of CUPE local 951, and Bill Mackereth, president of CUPE local 917, Admissions by director David Glen and Food Services by manager John Watson.

Jim Currie, assistant to the president, is working with Dr. Mark Loken (Public Administration) to organize a Government, Business and Labor Appreciation Day.

The Faculty of Fine Arts, represented on the committee by associate dean Dr. Anthony Welch is also planning special displays.

Chemistry and Physics have Dr. Frank Robinson (Chemistry) on the Committee and both departments have unique displays in mind.

Extension, represented by Dennis Haughey will handle the night-time lectures which will be offered as "freebies" and will deal with the subject of universities and their history. In addition Extension will set the stage for the special Saturday Program, "Be a Student for a Day".

A special evening where the president and members of the Board of Governors meet with the parents of future students is being organized. Alumni Past President Wesley Black is handling downtown displays.

Birch-Jones says all committee members are enthusiastic and working hard to ensure that the whole week will be successful and reflect the ingenuity of those who make up our campus community.

Maltwood features decorative arts

The 1950s and 60s were years of vigorous creative exploration for West Coast artists involved in all aspects of the decorative arts.

This formative period preceding the contemporary cultural renaissance is encapsulated in a diverse exhibit now at the Maltwood Art Museum and Gallery until August 14.

The show features native arts, furniture, pottery, and weaving by prominent artists including Mungo Martin, Wayne Ngan, Peter Cotton, and Herbert Siebner.

The majority of art works featured in this exhibition are drawn from the Fitzgerald Collection, recently acquired by the Maltwood. Originally, this impressive collection of West Coast hand crafts was acquired during the 1950s and 60s by Bessie Fitzgerald, the former proprietor of the Quest chain of handicraft shops in Victoria, Vancouver, Banff, and Calgary. Fitzgerald was among the first to support and actively promote the decorative arts in Western Canada.

The Maltwood is located on campus in the University Centre Building. Hours are from 10 a.m. to 4 p.m. Monday to Friday and from 12 noon to 4 p.m. Sunday. Evening openings are scheduled in conjunction with events at the University Centre.

When you've got a good thing going, you don't always have to shout about it to attract people.

Gail Woods, publicity officer for University Extension and the graphic designer for most of Extension's promotional material, often uses subdued colors and a West Coast motif in her designs to create an image of a campus with all the facilities needed for large conferences and with the added attraction of tranquility.

It is becoming increasingly evident that other Canadian universities like the picture.

Woods received two awards of excellence for her designs at the recent annual conference of the Canadian Association for University Continuing Education.

She received awards for distinctive promotional materials for the non-degree Calendar for Fall 1982 and for a four-color brochure she designed for conferences. One of her designs was also chosen for an award of excellence in 1982.

The Cultural Conservation Diploma Program, developed under the guidance of Dr. Larry Devlin of Extension, also won an award of excellence this year in the Professional Development Programs category.

Woods designs and produces all print materials for Extension including Calendars, posters and brochures and is responsible for advertising and downtown distribution for Extension materials.

"I also have a lot of involvement with the pricing of printing and the challenge of finding ways of cost-cutting is one I enjoy," she says.

Woods is involved in preparing materials for conferences of all sizes. One of her largest projects to date was her involvement with the recent joint meeting of the Geolog-

ical Association of Canada, the Mineralogical Association of Canada and the Canadian Geophysics Union with more than 1,100 delegates in attendance on campus.

She supervised the production of 15 guide books for this conference as well as the production of badges, buttons, T-shirts, caps and other printed materials.

Her academic and commercial background have served her well in her current position.

Woods attended the Alberta College of Arts and the Vancouver School of Arts before taking a job in a Toronto print shop as a "stripper". "A stripper is a color separator," she hastens to add.

She has worked as a photo retoucher in Victoria, a paste-up artist at the *Sidney News* and at R.S. Ost Advertising in Victoria as a graphic artist. She also worked at Fleming Review as a graphic artist while supporting her husband through UVic where he earned a B.Ed. degree.

Woods began taking classes in the Visual Arts Department at UVic and graduated in 1978. She also took courses and became a teaching assistant in the Department of Psychological Foundations in Education. There she began to put together manuals and drawings for texts for a course.

She also became involved with Extension in teaching a distance education course in helping relationships. After teaching a course in listening skills for substitute teachers in the Sooke School District, Woods joined Extension in 1980.

"It's a challenging position," says Woods. "I'm still learning and studying how best to promote Extension offerings."

Pearson Fellows visit

Six Pearson Fellows, studying and researching in various health disciplines, visited UVic recently as guests of Prof. Denis Protti, director of Health Information Science and came away impressed by what they saw.

The six, all representing Departments of Health in their own countries, say the UVic program fills a void, and could be used in their own countries with modifications.

The six have spent the past year studying at the University of Calgary.

The Pearson Fellowships, offered by the International Development Research Council of Canada (IDRC), are named for the late Prime Minister Lester Pearson. They are awarded in 16 different fields, including the health disciplines, to individuals working in government in developing countries. They are designed to improve skills through utilizing Canadian resources.

Each individual's research program is personally designed by the recipient, and for this reason, among others, a Pearson Fellowship is very highly regarded in developing countries. It is one of the very few designed according to need, allowing

the recipient to work in his or her area of specialization in government, industry or education while in Canada.

Though the visiting group's members represent countries in various stages of industrial development, there are common problems. These include emigration of highly skilled manpower to developed countries generally, and in the health field, lack of personnel and accessibility. Solutions to these problems include manpower substitution in certain situations not requiring a fully trained medical doctor and integration of traditional systems with those imported from the West. Members of the group also suggested that their own governments should seek greater participation of communities in planning health care delivery rather than imposing systems from the top down.

The developed countries could further help the developing world by taking steps to ban the export of drugs already forbidden for use in their own jurisdictions, and regulating the "over-efforts" of international agencies who give according to availability of surpluses rather than need in the country being helped.



Visiting Pearson Fellows and hosts from left, Dr. Eng Koo, Malaysia; Mr. J.S. Kang, India; Dr. and Mrs. John Garson, University of Calgary; Mrs. Elizabeth Masimba, Zimbabwe; Prof. Denis Protti; Dr. Kenneth Oforu-Barko, Ghana; Mrs. Veta Brown, Bahamas and Dr. Ebenzer Mwashu, Tanzania.

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Phoenix delights audiences with summer fare

By Edith Knott

The words "Summer Theatre" have always had a pleasant ring. UVic's Phoenix Summer Theatre season opened June 23, and lives up to all the best traditions. In the new Phoenix Building, creative talents have combined to provide thrills, quality entertainment and food for thought.

Three plays, *Angel Street*, *The Prime of Miss Jean Brodie* and *The Firebugs* run in repertory until August 12.

Angel Street is a Victorian thriller with a sinister villain, quivering heroine and a delightfully disorganized detective. The play is directed by theatre graduate student, Paul Mears, who describes the melodrama as a form of theatre where everything is clear cut.

The line between good and evil is clearly defined and the conflict is resolved in a clear cut manner. Unlike many modern plays, the melodrama says that something is good and something is bad with no shading of the issues.

Mr. Manningham, the villain, is played by Steven Thorne, Mrs. Manningham, the heroine, by Sandra Ferens, and Sgt. Rough by David Wilson.

Angel Street takes place in a large old Victorian house in London. The set, designed by Bill West, is detailed and authentic.

The play originally opened in 1941 in New York and ran for 1,295 performances. Since then it's delighted audiences all over North America and England. Ingrid Bergman and Charles Boyer starred in the movie version, *Gaslight* with Bergman winning an Oscar for her role. UVic's version should provide Victoria audiences with a lot of enjoyment this summer.

The Prime of Miss Jean Brodie is performed by the Chief Dan George Theatre. On a square yards of stage where the players change the set, some magic wrought by cast and director transports the audience to Edinburgh to be caught up in the life of Miss Jean Brodie and the school where she caused such havoc in her prime.

In this production the word "creative" seems the keynote. So much is affected by so little. The light from three vaulted church windows falls across the floor, two candles are lit—and the scene for the nun is

created. Three milkglass light fixtures from the thirties descend silently from above; grey-tunic clad, pigtailed school-girls carry in their desks and Miss Brodie's classroom appears before us.

It's all we need. The actors do the rest. They have a good story to work with and it has its profound aspects. Miss Brodie says, "give me a girl at an impressionable age and she is mine for life." Caught up in her romantic illusions, Miss Brodie fails to see the devastating effect these illusions have on the lives of those around her. Jean Brodie is played with style by Linda Hardy.

The play is directed and the set designed by Dr. Giles Hogya. Besides teaching directing and lighting in UVic's Theatre Department, Hogya has designed professionally in Canada and the United States. He has a long list of local credits and his New York credits include, *A Reel American Hero* on Broadway and numerous off-Broadway shows. On study leave this fall, Hogya is contracted to design and direct in New York City. He is a graduate of Northwestern University.

The season's third production is the thought-provoking *The Firebugs* by Max Frisch. This version of *The Firebugs* has been adapted by Marc Diamond and Stephen Malloy who is also the director.

The Firebugs is set in the year 2033, when nuclear proliferation has gone completely out of control. Plants and animals have all but disappeared from the earth which can no longer support life. Mankind clings to technology for his survival.

Author Max Frisch says, about *The Firebugs*, "Ours is not the demonstration of divine retribution, but merely the representation of an average citizen whose conscience bothers him a little (I think for good reasons) but who should like to acquire a good conscience, but without changing anything. The only way he can do this, however, is by lying to himself; and this is what makes him so dangerous."

Director Stephen Malloy is a M.F.A. student. He received his honors B.A. in directing at the University of Ottawa. He has worked professionally as an actor and a playwright with Penguin Theatre Company and the National Arts Centre. This is Malloy's first season with Phoenix Summer Theatre.



The Prime of Miss Jean Brodie features, from left, David Wilson, Linda Hardy and Steven Thorne

McIntyre returns

After a short fling with retirement Prof. Barbara McIntyre is back playing her old role at UVic's Theatre Department. McIntyre has agreed to come back as chairman for one year while a replacement is found for Prof. Carl Hare, who has left to become chairman of the Department of Drama at the University of Alberta.

McIntyre was chairman of UVic's Theatre Department for nine years. Although she retired in 1981 she has continued on the graduate faculty to complete the supervision of graduate students she is working with.

During McIntyre's years as chairman, the Theatre Department worked out of a set of army huts. McIntyre had a lot of input into the planning of the new Phoenix Building which was first conceived of in 1974. The studio theatre in the new building is named after her.

McIntyre sees the year ahead as "one of consolidation" while the department seeks a new chairman. "Carl Hare will be difficult to replace," she says.

During her short retirement, McIntyre has travelled to Yugoslavia for a look behind the Iron Curtain, taken jaunts to Australia, Fiji and Tahiti and has just returned from a cruise around South America on a combined cargo-passenger ship.



McIntyre was born in Moosejaw, Sask. She obtained a Ph.D. at the University of Pittsburgh in speech and hearing disorders and a degree in theatre from the University of Minnesota. She taught on the faculty at the University of Pittsburgh and at Northwestern University before coming to UVic in 1964 to develop a child drama program. In 1972 she took over as Chairman of the Theatre Department.

They're here to work

Thirty enthusiastic senior secondary students recently converged on UVic this week to begin an intensive six-week summer theatre workshop.

The eleventh annual Senior Secondary Summer Theatre Workshop began July 4 and will culminate with a production of *Rebel Without A Cause*.

The students live in residence and are all serious about their interest in theatre, according to co-ordinator Fiona Matthews. "It's definitely not a social event," says Matthews.

Students are kept busy attending three three-hour sessions each day, starting at 9 a.m. to 12 noon and continuing at 1:30 to 4:30 with another evening session from 6 to 9 p.m. The workshop students have one day off a week.

During this busy schedule they study movement, voice and acting, build sets and make costumes. All students take part in the play, although this year four have opted not to act but have technical jobs.

The cost of attending the workshop is \$300 tuition and \$565.20 for the six-week stay in residence. Co-ordinator Matthews lives in residence with the students and also assumes

the role of counselor. Matthews graduated this spring with a B.F.A. in Theatre and is assistant director and acting coach for the workshop.

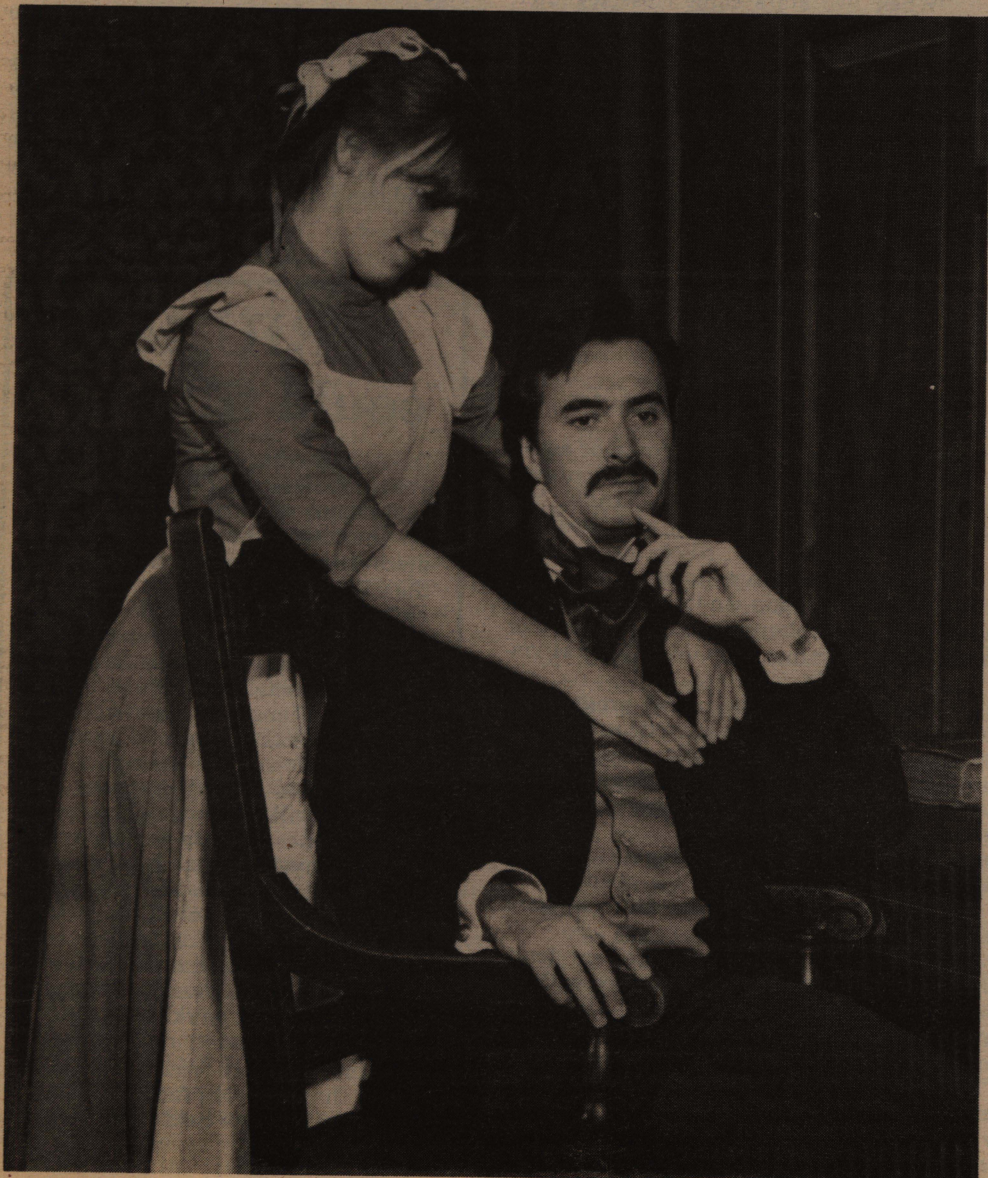
Director is Vancouverite Barbara Russell who has three seasons at the Stratford Festival to her credit. She has also directed at the Vancouver Playhouse.

The workshop production *Rebel Without A Cause* will run from August 8 to 12. Although the play is written about teenagers in the '50s, Matthews expects teenagers today will still find it relevant.

"The play is really about the frustrations of teenagers trying to cope with peer pressure, and struggling to break the bonds of dependence and grow up," she says.

Matthews believes teenagers today are more sophisticated than in the fifties and don't succumb to peer pressure as easily but says the eternal frustrations of youth remain.

Matthews admits that after the intensive six-week session culminating in five performances, the high school students are pretty tired, but, she adds, they're always sorry to leave.



Angel Street cast includes Ereca Hassell and Steven Thorne

CAP-CAS Conference: at the cut

More than 500 physicists attended the 1983 Canadian Association of Physicists Congress and the Canadian Astrophysical Society meeting, held in conjunction on campus in late June. Hosting the conference was UVic's Physics Department. At the meetings, the latest research was discussed, prizes were awarded and a high-level panel took a hard look at manpower needs in research and development in Canada in the 1980s. Some of the highlights and personalities at the conference are featured in stories on these pages.

Country-wide telescope would be world's largest

Canada could literally become the largest telescope in the world if a proposal approved by the National Science Council (NSC) is funded by the Canadian Ministry of Science and Technology and Treasury Board.

The Canadian Long Baseline Array (CLBA) is a proposed radio telescope that would stretch from Newfoundland to Vancouver Island and place Canada in the forefront of astrophysical and geophysical research. Consisting of eight 32-metre telescopes, most to be placed in Western Canada with a ninth possible in Yellowknife, NWT, the CLBA would be the largest telescope in the world.

"The principle of operation involves focussing all the antennae simultaneously on a single body in space—a galaxy or quasar," explains Dr. Ernest Seaquist, University of Toronto astronomer and spokesman for CLBA. "As the earth rotates, the antennae trace out a disc the size of Canada. The result is a picture almost half as big as the Earth."

The incoming radio signals are recorded on computers at each antenna site, and the combined readings are then assembled on a larger central computer. The result is an unprecedented and detailed view of the object under study.

"From an astrophysical point of view, we will gain a greater understanding of quasars and of the mysterious 'central engines', the energy sources at the centre of galaxies," says Seaquist.

The CLBA also has important applications in geophysics, he emphasizes.

"The CLBA can be used to make measurements, with great precision, of the rates of revolution and shifts in polar axis of the earth. It will be able to detect strains in the earth's crust to an accuracy of a few centimetres."

These measurements are possible because the stellar phenomenon under observation from the earth appear fixed. Any small changes in the position of the earth's surface will show up as a change in the antenna's response to incoming signals, and can be used as a direct measurement of the movements of the earth's crust.

An understanding of the changes is important in studying such geophysical phenomenon as earthquakes, and the CLBA may eventually aid in predicting their occurrence.

"The geophysical aspect deserves considerable emphasis because of its importance on the human scale of things," notes Seaquist. If the \$70 million project is not approved, it would be a "major blow" to Canada as a leader in basic sciences, he adds.

The project would be a major benefit to employment in Canada's rapidly developing high-technology industries, and also provide employment throughout Canada in the construction industry on a short-term basis during the building phase.

"The CLBA will be a major challenge to Canada's hi-tech companies and a major boost to industries related to microchip technology, image processing and communications hardware and software," says Seaquist.

If approved, the telescope would be in operation by the late 1980's with most of the equipment to be manufactured in Canada.

"For about the cost of a jumbo jet, Canadians could build a probe of the sky and earth that will be unprecedented for decades. Canada's astronomers and geophysicists would be in the forefront of man's quest for knowledge."

Binary star systems may reveal nova secrets

Dr. Miroslav Plavek, an optical astronomer at the University of California at Los Angeles (UCLA) was honored as the Petrie Lecturer at the recent Canadian Astrophysical Society (CAS) meeting held in conjunction with the Canadian Association of Physicists Congress (CAP) at UVic recently.

The Petrie Lecture, named for Dr. R.M. Petrie, a former director of the Dominion Astrophysical Observatory (DAO) in Victoria, B.C. is given every other year by an astronomer whose work is considered of outstanding merit. Plavek is doing pioneering work on binary star systems.

He began his lecture with an account of the travails of an optical astronomer. Searching for an elusive binary star system, he travelled throughout Europe seeking clear nights to observe his selected quarry, which appears in the sky on rare occasions. After being rained and clouded out at various northern observatories by unusual weather, he eventually went to Italy. There, a freak eruption of Mount Etna spoiled the viewing. He then travelled to Egypt, where, after years of clear weather, a freak storm occurred on the night needed for observation.

"When I went to California, and found the observatory sat close to the San Andreas Fault, I decided not to press my luck," he concluded.

Plavek's work on binary star systems seeks to understand the phenomena that leads to the creation of novi and supernovi.

"When two stars come close together, they interact very deeply," he explains.

"They change their evolutionary tracks completely. One of the things that occurs is a huge transfer of mass and energy. These stars are what I call 'smart smugglers' because they transfer the energy in such a short time, measured astrophysically. It is very difficult to catch them in the act."



Plavek

"These systems are the most exciting objects in astrophysics. My interest is in studying what occurs. It could lead to an understanding of the events that create novi and supernovi."

Much of Plavek's observation time is spent in locating very young active binary systems which are in the process of transfer, and he has discovered a whole class of binary systems which are prime candidates for further observation.

Astrophysics Institute planned for Toronto

A Canadian Institute for Theoretical Astrophysics, the first such specialized organization in the world, will probably come into being within a year.

Dr. Richard Hendriksen of Queens University, one of the organizers of the Institute, says prospects for an early start-up look promising.

"The Natural Sciences and Engineering Research Council (NSERC) seem intrigued by the idea," he says. "It's a pioneering idea. There is no similar type of institute in Canada and few in the world."

"There are relatively few people in the field in Canada. This is an attempt to concentrate these minds together in one place."

A similar body exists at Santa Barbara, California, The Institute of Theoretical Physics, but it covers all of physics rather than the specialized areas in which the Canadian body would work.

The Institute would have initial funding of about \$300,000 and be located at the University of Toronto. NSERC will be asked for \$180,000 with a further \$100,000 supplied by U of T for the salary of a director and other administration costs. A further \$20,000 will be sought from other sources. The final budget details should be known by October of this year.

Both the University of Victoria and Queens University were under active con-



Hendriksen

sideration as possible sites for the Institute.

"UVic has a very good group of astrophysicists and is close to the Dominion Astrophysical Observatory (DAO), but Toronto was able to come up with the funding to assist us," says Hendriksen. "Toronto is also the major air transportation hub in Canada, an important consideration when planning numerous two or three day seminars for international visitors," he adds.

The targets for the initial program of research include extra-galactic radio sources, theory of the interstellar medium, stellar structure theory, and high energy physics relating to quasars and black holes.

Hiring for Fellows of the Institute would begin with advertising for positions in June, 1984, with three or four positions open to begin with.

"We plan a maximum five-year term. That's long enough to do research without either party being locked in. It allows for the entry of new people and ideas, which can be difficult in other institutions," says Hendriksen.

He notes that the Institute may be able to assist in the development of the planned Canadian Long Baseline Array (CLBA), a giant radio telescope also in the planning stage that is awaiting word on funding.

TRIUMF could fill gap

Dr. Alan Astbury, UVic's Michael Pearce Professor of Physics and co-spokesman with Dr. Carlo Ruffio for the 130-physicist group which discovered the W and Z particles at the CERN facility in Geneva, Switzerland, hopes to see the TRIUMF cyclotron in Vancouver upgraded and expanded in the near future.

Developments at CERN in Switzerland will make it impossible to continue certain kinds of experiments there as the operation is expanded, he says. Upgrading of TRIUMF will fill the gap and provide facilities for both nuclear and particle physics research.

Astbury, who has spent 19 years working in association with government laboratories in Europe, including the Rutherford Laboratory in England, is looking forward to again working in a university environment.

Astbury was in Victoria speaking at the Canadian Association of Physicists Congress held recently at UVic.

ing edge of the new technologies



Panel, from left, Smith, Carswell, McNabb and Redhead

Hi tech needs innovators

Universities should be turning out graduates in engineering and the sciences who can adapt quickly to rapid changes in high technology, rather than narrow specialists, according to members of a panel on future manpower needs in research and development in the 1980s in Canada.

The panel participated in a public forum chaired by UVic President Dr. Howard Petch in University Centre June 29.

"Universities are not fulfilling their role of preparing students for the constant atmosphere of change in their fields," said Dr. Paul Redhead of the National Research Council.

"We need to produce graduates who can adapt rapidly to changes in their disciplines rather than being totally involved in a specialization," he said. "Universities are not improving graduates' understanding of a research career. We need people with an ability to innovate."

"High technology needs flexible people willing to learn to solve practical problems," said Dr. Allan Carswell of York University. He called for a restructuring of the educational system so that education becomes a lifelong pursuit. "Much more adult education and on-the-job training are necessary so that people can keep abreast of technological change," he said.

Redhead and Dr. Stuart Smith, President of the Science Council of Canada, stressed the importance of training students to be precise in language. "There is a crying need for literacy and fluency among scientists and engineers," said Redhead. "They must not only become literate in English but in 'mandarin,' the language of the bureaucrats. Right now scientists and engineers have an apparent inability to talk with bureaucrats and politicians."

While they see many problems connected to Canada's leap into the high technology age, the panelists remain optimistic about the country's chances of capitalizing on high technology industry.

Dr. Gordon McNabb, President of the Natural Sciences and Engineering Research Council (NSERC), cited statistics which show a 42 per cent increase in applications for post-graduate NSERC scholarships in the past three years.

"While the job market has played a large role in this increase, nevertheless there is a dramatic renewed interest in graduate studies in Canada," said McNabb.

McNabb added that the major concern now is how the universities cope with the influx of students in post-graduate studies. "NSERC is very aware of financial restraints in universities and the heavy demand on NSERC grants for salaries for graduate students."

All panelists stressed the need for a greater interface between industry and universities in the 1980s.

"Canada's industrial sector is weak in

research and development," said Carswell. "As a country we should be supporting research and development financially through tax incentives and other measures, in order to reduce the risks of innovations."

"Industry and universities are poorly aligned," said Smith. "The industrial ethos could more usefully permeate universities so that both mission-oriented and curiosity-oriented research are emphasized at universities."

The panelists agreed that Canada is now attempting to put more emphasis on high technology but pointed out that it is difficult to change attitudes. "It is far too easy to make a living hewing wood and hauling water," said Carswell. "There must be a balance between natural resources and high technology."

"There is something wrong with relying so heavily on being the hewers and haulers," said Smith. "We have depended too long on our natural resources. As long as Canada sells commodities, we are not likely to have much research and development. In fact, Canadian industry has a dismal record in research and development."

Smith suggested that Canada must identify key technologies for the future and then plan manpower and other commitments in those areas.

Redhead warned against viewing high technology as a panacea for the country's economic ills. "There is a lot of political rhetoric which underlines a lack of understanding of scientific work," he said.

The panelists pointed to problems in the educational sector including underfunding, a lack of women, a shortage of science teachers in primary grades and the general aging of the faculty in Canadian universities.

"The aging of the faculty hits us in the late 1980s and greatly accelerates in the 1990s when we will see a dramatic exodus of professors from universities through retirement," said McNabb.

"We need to get new blood into the system, and that is the major reason for NSERC's University Research Fellowships at the post-doctoral level. "We will support this program through another five years but we must have a higher degree of commitment from the universities to eventually bring these people on to regular staff."

The panelists agreed that the key to Canada's success in high-technology or knowledge-intensive industry in the 1980s is a commitment in both public and private sectors to research and development. "Research and development can no longer be seen as a luxury item," said Carswell. "It must have a major component in industry and the opportunities to work in a creative and stimulating environment must be evident to students."

Gravity pulls researcher

Dr. William Unruh, a 37-year-old theoretical physicist at the University of British Columbia, was awarded the 1983 Herzberg Medal at the Canadian Association of Physicists (CAP) 1983 Congress, held at UVic recently.

The Herzberg Medal is awarded annually to an outstanding young Canadian physicist.

Unruh, who earned both his masters and doctorate at Princeton University, has been at UBC since 1976. He is a theorist specializing in quantum mechanics and is particularly interested in the study of gravity.

"Gravity is one of the really big problems in theoretical physics because it just doesn't seem to fit in with quantum mechanics. All the theories lead to non-sense results."

Unruh suggests there are two major problems, one being that gravity should fit in with a grand unified theory of relativity that includes the weak and strong forces and electromagnetism. The other more important problem is that gravity doesn't fit in with quantum mechanics.

"Until the quantum gravity problem is solved, we can't even address the larger one," says Unruh.

A number of approaches are being suggested to attack the problem, with many coming from scientists working in the field of particle physics.

"One of the big problems in finding answers is the tremendous lack of experimental data to guide us," says Unruh. "An experiment to show quantum gravity would require millions, perhaps billions of times the energy available in any particle accelerator that exists."

"My own feeling is that we need another insight in physics, a realization of what



Unruh

the important physical aspects of quantum gravity are."

Unruh suggests an insight of this nature would be of a magnitude similar to Einstein's realization of the relationship between classical Newtonian theories and his own special theory of relativity.

Achiever honored

The Canadian Association of Physicists (CAP) has awarded its prestigious Prize for Achievement to University of Guelph physicist Dr. Peter Egelstaff. The award was made at the CAP 1983 Congress held recently at UVic.

Egelstaff, originally involved in the design of nuclear reactors, has been associated with reactor research at Harwell in England and Chalk River, Ontario.

He later moved to the study of liquid state physics, examining the structure and dynamics of liquids at the molecular reaction level. He is using neutron scattering methods in his research, and hopes to see upgrading of the TRIUMF facility in Vancouver. Upgrading would provide facilities for research in his field not currently available in Canada.

Construction in 1983?

Construction of a \$15.3 million Science and Engineering Complex linking the Elliott and Cunningham Buildings is expected to start by the end of 1983.

President Dr. Howard Petch told the Board of Governors at the June 20 meeting that working drawings for the complex should be completed by the end of August, with construction scheduled to start by the end of the year.

The 6,200-square-metre complex will contain space for the Department of Biochemistry and Microbiology as well as provide a permanent home for UVic's new Faculty of Engineering.

ringers

The B.C. Innovation Office is seeking to establish a network of interested scientists and engineers who would be prepared to review and comment on innovations in their fields of expertise. The primary purpose is to assist innovators in establishing new ventures by having an impartial technical-scientific review. Keith McPherson, Innovation Coordinator, explains that the existing industrial base in B.C. will not create jobs at a sufficient rate in future to alleviate the jobless situation and a major source of new jobs in B.C. will be the establishment of small, new innovative ventures. These ventures need financing. However, in order to attract sufficient risk capital, many innovators require technical and scientific assistance in the form of a brief review and comment on the scientific-technical merit of their innovations. Any scientists or engineers willing to assist B.C. Innovations should send their name, telephone numbers and address and state areas of expertise, hours per month available and whether or not a fee is required to the B.C. Innovations Office, 1130-1176 W. Georgia St., Vancouver, B.C. V6E 4A2.

The Australian and New Zealand Association for Canadian Studies is holding a multidisciplinary conference May 17 to 19, 1984 at the University of Canterbury in Christchurch, New Zealand. Papers will be given on any aspect of Canadian studies or comparative Canadian/Australian/New Zealand studies consistent with the conference theme, "Regionalism and National Identity."

Anyone interested in contributing to the conference should send us two copies of a one-page abstract of a 20-minute paper. The abstract should reach the University of Canterbury by no later than Sept. 1, 1983. An assessment committee will evaluate the abstracts it receives and let people have a final decision in time to apply for travel assistance from their home university. Canadian applicants are advised to apply also to the Social Sciences and Humanities Research Council of Canada. Abstracts should be sent to James Acheson, Department of English, University of Canterbury, Christchurch 1, New Zealand.

'A contradiction'—Granewall Student aid picture unclear

There's good news and bad news for students seeking financial aid for the coming school year, according to Nels Granewall, manager of Financial Aid.

While the federal government has passed a Bill amending the Canada Student Loan Act which will make available larger loans, loans to part-time students, and increase the time before repayment is required, the provincial government, on the other hand, has tightened up dramatically on the criteria for student financial aid.

The provincial government which is responsible for administration of both the federal and provincial portions of the aid, has released application forms with one set of criteria that applies to both the federal repayable loan and the provincial grant.

One new requirement is that students must take 80 per cent of a full course load in order to qualify for financial aid compared to 60 per cent last year.

As well, the provincial government has zeroed in on a specific target, the student who claims to be independent but, in the opinion of the government, has tenuous reasons for declaring independence. If a student is not classified as independent, parents must complete and sign a statement of income.

In addition to the usual requirements that a student must have worked in the labor force for two years or have been out of high school for four years, or be married, divorced or separated, four new criteria must be met before a student will be classified as independent.

For the four months prior to classes and up to the last day of exams the student must not have:

- received more than \$600 in cash or kind from parents or guardians
- lived more than six weeks in a home owned or rented by parents
- driven a motor vehicle during school term which is owned or maintained by parents
- been declared as a dependent on parent's income tax return for either 1982 or 1983.

Of these new criteria the one that is causing most concern according to Granewall is the requirement that a student must not have lived with parents for more than six weeks.

"Many students are not finding summer jobs", says Granewall, "and a student who is normally classified as independent may go and spend the summer with parents as an alternative to welfare. By so doing, according to the new criteria, he has lost his independent status and parents will be required to complete the income statement."

"Many parents of 19-year-olds object to signing income statements and for older students whom they consider independent, Granewall expects many parents will flatly refuse.

"This may not be the situation the new criteria was designed to deal with," says Granewall, "but many mature students, if they have lived at home for six weeks, could find themselves no longer classified as independent".

There seems to be a contradiction between the policies of the federal and provincial governments regarding student financial aid which concerns Granewall. "While it's understandable that strict guidelines may be necessary at this time for the non-repayable provincial grant, these same guidelines should not be applied to the federal repayable loan," he says. "However, there's only one form and no way of applying the rules separately. If students want only the federal aid they don't have that option."

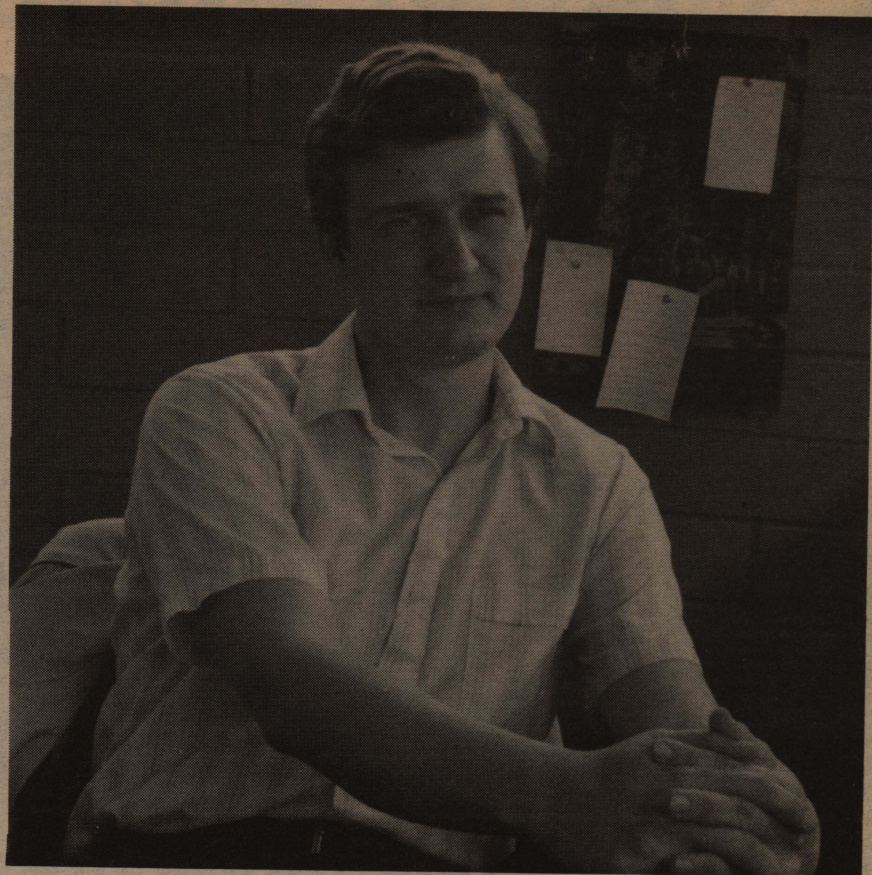
Ontario has two separate sets of criteria, one applied to the federal loan and one to the provincial grant and Granewall thinks this is a good idea.

"We realize that the province has a clear mandate to have a restraint program and students can't be immune from it. But the intention of the federal government is clearly that student loans should be made more readily available at a time when employment is scarce."

The amendment to the Canada Student Loan Act recently passed increases the maximum loan in one year to \$3,200. Currently the maximum cumulative loan for all years is \$9,800. The new legislation will eliminate a ceiling entirely. If a student has been unable to find work, the time before repayment begins has been extended to two years from the present six months. The new Bill would also provide loans to part-time students for the first time.

Granewall says that even though forms are now available for the students to fill out, the UVic financial aid office is unable to process them. For each application his office must complete a need assessment report and this cannot be done until he receives the new policy and procedure manual for 1983-84 from the provincial government.

What portion of the aid will be provincial grant and what portion federal loan is still a dark mystery, says Granewall. Although he expects the federal loan portion to be increased, he says, "all bets are off this year. It's a different ball game."



Stevenson: a three-pronged attack on students

Provincial government 'blinded' by restraint

Getting a university education is becoming increasingly difficult for B.C. students, says Brian Stevenson, President of the Alma Mater Society (AMS).

Twenty-five per cent youth unemployment, an increase of 14.8 per cent in tuition fees and now the tightening of criteria for financial aid (see story, this page) all mean that UVic students are going to have to cope with more debt and more stress, according to Stevenson.

"This three-pronged assault on post-secondary students is part of a policy by the provincial government that is steadily deteriorating the quality and accessibility of post-secondary education," says Stevenson.

He says students are aware that many people in B.C. are making great sacrifices in these tough economic times. "Although we are willing and indeed we have always been willing, to do our share of sacrificing in the name of restraint, we firmly believe that we are being asked to do far more than we are capable of doing."

While it might appear to be good news that the federal government has increased the loan ceiling for students, Stevenson says he's concerned that the provincial government will now make less money available for grants.

"This forces students to take a larger federal loan and pushes them deeper into debt. It certainly doesn't encourage people to go to university. I would have liked to see a mix of loan and grant from the federal government."

Stevenson expresses concern about the debt load many students will graduate with. A fourth-year student graduating this year, he points out, could have a maximum loan of \$7,200. A first-year student entering UVic this fall, who requires the maximum yearly loan of \$3,200, would graduate with a debt of \$12,800, a heavy debt to start out with.

Stevenson also is worried that

the provincial government will freeze student aid at last year's original figure of \$15.3 million. This was found to be inadequate and in September and October last year a further \$8.3 million was subsequently allocated. If \$15.3 million was inadequate last year it will certainly be so this year, with students facing an increase of 14.8 per cent in tuition fees, says Stevenson.

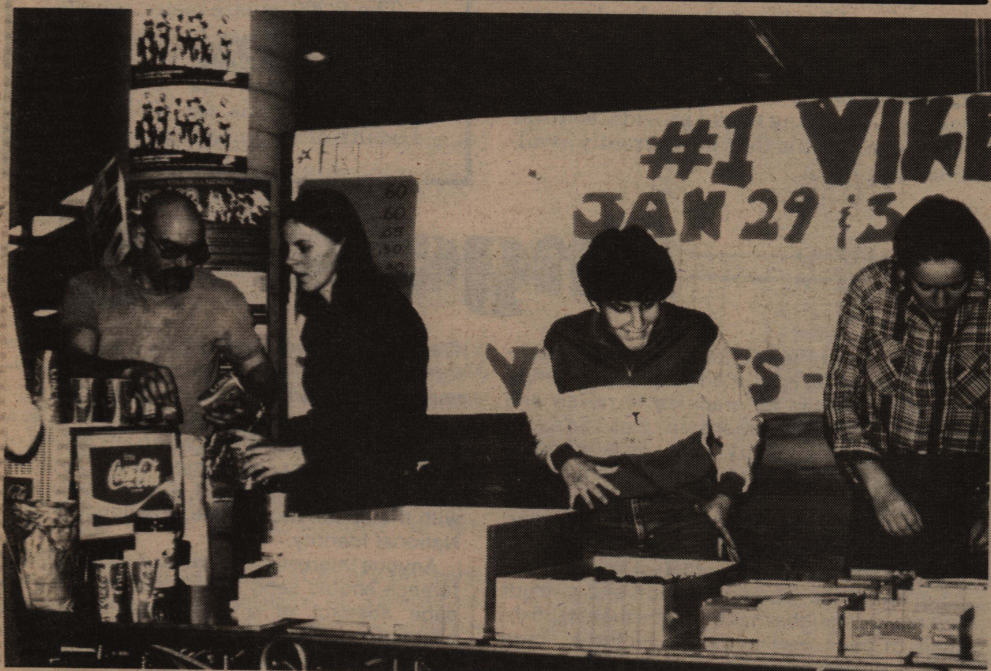
The new provincial criteria for determining who is an independent student will actually discourage parents from helping students, he says.

"The provisions have not been well thought out. Because the forms were released one month into the qualifying period, many students have unwittingly disqualified themselves from independent status because the measure is retroactive. The new criteria for independent status will almost certainly prevent a group of people from receiving financial aid."

"Adherence to the policy of restraint has blinded the provincial government to the consequences of what they are doing," claims Stevenson. "If the provincial government wants fiscal restraint let them do it in a fair and logical manner and not in this arbitrary way. I would like to encourage the provincial government to consult and communicate with student representatives and to address the situation of dependent criteria in a more realistic fashion."

He urges parents and students to write to their M.L.A. and to the Minister of Education asking for revision of both the new criteria for independent status and the 80 per cent course load requirement.

"Many students who don't want to get further in debt could take a 60 per cent load and work part-time. Having to take an 80 per cent course load will force students to be even more dependent on government financial aid and defeat the government's own aim to put out less money."



The highly successful UVic Rowing Club went all out to pay for a new eight-man shell with a number of fund raising events during the past year. The shell, costing \$10,000, was on order when funding from the government was disallowed because of a technicality involving previous grants. Team members organized a number of events, including the first Children's Film Club at Cinecenta, a Grey Cup Raffle, bouncing and doorkeeping at residence dances and University Auditorium events (rowing develops broad shoulders and large biceps) and an exclusive concession for ticket-taking and selling at UVic Viking basketball games, as well as the pop and snack concessions. The activities kept team morale high, says manager Corinne Mol, a third-year Political Science student, with everybody, including the coach, pitching in to help. Shown above at the concession stand during a Vikes game are rowing team members (from left) Ray McKenzie, Andrea Schreiner, Marianne Morgan and Lisa Robertson.

They'll call on the over-50 crowd

Six graduate students from the UVic School of Physical Education are knocking on doors throughout Victoria this summer.

They're looking, on a random basis, for 1,000 people over the age of 50 to set standards for the Post-50 3-S Physical Performance Package, an innovative program designed to show people over 50 how to assess their own physical fitness.

The project began two years ago with a grant of \$60,000 from Canada Health and Welfare. Under the direction of Dr. Bob Bell (Physical Education), a package has been designed to test strength, suppleness and stamina.

A further \$35,000 has been awarded to complete the project by setting "norms"—standards based on random sampling showing expected performance levels according to age and sex.

Statistics Canada has identified population cells in Victoria where the percentage of individuals over 50 is relatively high. The six graduate students, in teams of two, deliver a form letter to homes selected at random within the cells, and return later to see if the residents meet the test requirements and are willing to help. If they are, the individuals are asked to walk around the block or do a brief walk "on-the-spot", do a little bending and reaching, and a few curlups and modified pushups.

The entire process takes about 20 minutes.

"Our idea is to provide an inexpensive

test which the participants can monitor by themselves. We think it may motivate this age group to be more active, develop better fitness and better feelings about themselves", says Bell.

The random sampling will go on throughout the summer until the required 1,000 individuals are tested. A similar random sampling procedure is being done by Dr. Blaine Hoshizaki at McGill University. Hoshizaki is a former UVic faculty member, who, with Bell and Dr. Martin Collis (Physical Education), is involved in the design of the performance package.

While Bell is not looking for volunteers, they will be accepted if they contact him.

"We're happy to test anyone. However, volunteers tend to be active people, and would reflect an untrue situation in establishing the norms," says Bell.

Completion of the random sampling will pave the way for feasibility studies to determine the acceptance of the package by the post-50 population, and if it is well accepted, may lead to production and distribution across Canada.

"A remedial exercise prescription for the group would be the obvious next step," suggests Bell.

Bell will speak on the findings of the summer's work to the Fitness Over Fifty Conference, hosted by the Centre for the Study of Aging in Albany, New York, and to the Canadian Association of Gerontologists later this year.

Royal alumnus loans painting

His royal highness, Prince Philip, is among UVic alumni who have loaned works of art for a special exhibition to be held at UVic during National Universities Week, Oct. 2 through 8.

Martin Segger, curator of the Maltwood Art Museum and Gallery where the exhibition will be held, explains that he knew of the Duke of Edinburgh's interest in painting and wrote to him to seek his partici-

pation in the alumni exhibition.

The prince qualifies as an alumnus of UVic, having received an honorary degree in 1971.

Philip, an avid painter, is providing one of his oil paintings of Windsor Castle for the exhibition.

Segger is calling for works of art from alumni of the university to mark National University Week. "I expect a good response," he said.

He's off to Yale

Michael Martin, a 1982 B.A. graduate of UVic in Pacific and Oriental Studies, has been awarded a full four-year Ph.D. Fellowship at Yale University.

Described as "an outstanding student" by Prof. Tom Shoyama, Martin will enrol at Yale in September in East Asian Languages and Literature. He will study Classical Chinese Literature at Yale. The fellowship, covering tuition and other

expenses, is valued at \$11,720 per year.

Born in Edmonton, Martin has lived in Victoria for the past seven years. As a UVic student, he participated in the first summer exchange program with East China Normal University in 1981, travelling to Shanghai for intensive language study.

For the past year he has worked as a research assistant with Shoyama.

Blood needed

A Red Cross blood donor team will be in the Student Union Building from 10 a.m. to 4 p.m. July 14 for the annual UVic blood donor clinic.

It's an opportunity for students, staff, faculty and the general public to assist in

expanded Red Cross operations on Vancouver Island. Red Cross clinics at UVic have played an important role in meeting the needs for blood among patients in Greater Victoria hospitals.



UVic President Dr. Howard Petch, left, looks on as Vice-President Academic Dr. Fred Fischer unveils a Lansdowne print during a reception marking the end of Fischer's term of office. "He has made an outstanding contribution to the University" said Petch, in making the presentation. Fischer is returning to research and teaching in the Chemistry Department after five years as vice-president. "I have been very fortunate in my career," he said. "Many others have not had the opportunities that I have."

Get tested, get fit

Here's an opportunity for students, staff and faculty to find out for free how fit they are and to participate in recreational events ranging from beachball volleyball to inner tube paddling.

The 1983 Fitness Week, sponsored by Recreation and Intramurals and the School of Physical Education, will be held on campus during the week of July 25 to 29.

Personal fitness assessments will be available at the UVic Sport and Fitness Testing Center, in the McKinnon Centre throughout the week. To make an appointment for a free personal assessment, call 721-8391.

The University Bowl (in front of the McPherson Library) will be the site of an aerobics demonstration Monday and Wednesday, and beachball volleyball on Tuesday and Thursday. These events will be running from 11:15 a.m. to 12:15 p.m. Everyone is encouraged to come out and take part.

A series of lunchbag lectures will be given from 12:15 to 1 p.m. in the McKinnon Building. Topics will include current issues related to health and fitness. On July 25, Dr. Norgrove Penny, an athletic injuries specialist, talks on running and related injuries.

Dr. Gerry Carr (Physical Education) gives an introduction to weight training on July 26. Dr. David Docherty, director of Physical Education, speaks on developing personal fitness on July 27. To wrap up the lectures, on July 28 Dr. James Buckley (Biochemistry and Microbiology) will be giving a talk on the importance of nutrition.

July 26 is racquets night, where everyone can pick up some tips for their tennis and squash game.

July 27 is aquatics night with demonstrations and talks on sailing and kayaking. Sessions will run from 7 to 8 p.m. and anyone interested should meet in the main foyer of the McKinnon building on the given night.

Special events will be happening throughout the week. A five-kilometre fun walk-or-run will be held July 25 at 7 p.m., starting at UVic's Centennial Stadium. Spot prizes will be awarded at random to those persons completing the course. On July 28, an 'Aerobic Celebration' class is scheduled for 5 p.m. in the University Bowl. None of these special events require pre-registration.

The grand finale is "The Great Race", July 29. This unique relay will include such bizarre events as a mystery race, inner tube paddling, cycling and keg rolling. If you wish to watch, the event will start at 12 noon in front of the McKinnon building. If you wish to enter, get a team of six together and fill out an entry form, available on bulletin boards or at the UVic Sport and Fitness Center (721-8391).

For more information regarding any of the events watch for posters and brochures posted on campus, or call 721-8391.

She's 'unflappable'

Campus friends of Shirley Baker attended a reception in her honor in June to mark her retirement after 17 years at UVic.

Baker, associate director of Student and Ancillary Services, has been manager of residences since joining the staff at UVic in 1966.

"I, personally, will find it extremely difficult to get along without her," said Ted Sawchuck, director of Student and Ancillary Services. "This university has been very fortunate in having a person like Shirley with her tremendous understanding of human nature, and her amazing capacity to keep cool in a crisis."

"She was just about unflappable." Baker spent 17 years with her husband in Tanzania, helping

to operate the family business in forestry and mining while raising a family of two daughters and a son.

"Seventeen years in the African bush have given her an extraordinary perspective on life and human behavior," said Sawchuck.

Baker was presented with a portable electric typewriter and other gifts at the reception. Earlier, students had held a luncheon in her honor.

Gavin Quiney, associate manager of housing and conference services, became manager of housing services beginning July 1. The position of associate director of Student and Ancillary Services has been "put on hold due to the restraint program", said Sawchuck.



Sawchuck, left, and Baker

calendar

Friday, July 8th.

Early registration for 1983-84 Winter Session continues (does include Education Professional Year or Law) until Aug. 12 (except Aug. 1). Hours are 12:30 p.m. to 7 p.m. Monday to Friday. SUB East-West Lounge (Rooms 135 & 137).

Last day of registration for Summer Session Recreation and Intramurals classes. Registration forms are available at the Recreation and Intramurals Office, MCKI GYM.

Maltwood Art Museum and Gallery. Hand Crafted - Decorative Arts in B.C., 1950-1965. Continues until Aug. 14. Gallery hours are 10 a.m. to 4 p.m. Monday to Friday, 12 noon to 4 p.m. Sunday, and during evening events at the University Centre Auditorium. McPherson Library Gallery. Yves Vial - Paintings (Recent Oils). Continues until July 25. Library hours until Aug. 19 are 8 a.m. to 9 p.m. Monday to Thursday, 8 a.m. to 6 p.m. Friday, and 10 a.m. to 6 p.m. Saturday. Closed Sunday and holidays.

7:30 p.m. Cinecenta films. *Body Heat*. Admission charge. SUB Theatre.

8:00 p.m. Phoenix Summer Theatre presents three plays running in repertory through Aug. 12—*Angel Street* by Patrick Hamilton, directed by Paul Mears; *The Prime of Miss Jean Brodie* by Jay Allen, directed by Giles Hogya; and *The Firebugs* by Max Frisch, directed by Stephen Malloy. For further information on dates, phone 721-8000. PHOENIX BUILDING.

Tuesday, July 12th.

7:30 p.m. Cinecenta films. *Sons and Lovers*. Admission charge. SUB Theatre.

Wednesday, July 13th.

7:30 p.m. Cinecenta films. Double feature. *Ninotchka* and *Ball of Fire*. Admission charge. SUB Theatre.

Thursday, July 14th.

10:00 a.m. Canadian Red Cross Blood to 4:00 p.m. Donor Clinic. SUB.

7:30 p.m. Cinecenta films. *Robert et Robert*. Subtitles. Admission charge. SUB Theatre.

Friday, July 15th.

Last day for withdrawing without penalty of failure from Summer Session first term courses.

10:00 a.m. Oral Exam. Mark Adam Shillam, M.A. Candidate in English will defend his thesis entitled: "Mirrors in the Poetry of Andrew Marvell." CLER B415.

5:00 p.m. to UVic Tennis Tournament—Men's, 9:00 p.m. Women's Singles and Mixed

Doubles. Continues all day Saturday. For further details, contact the Recreation and Intramurals Office, MCKI GYM.

7:30 p.m. Cinecenta films. *Poltergeist*. Admission charge. SUB Theatre.

Tuesday, July 19th.

7:30 p.m. Cinecenta films. *The World According to Garp*. Admission charge. SUB Theatre.

Wednesday, July 20th.

7:30 p.m. Cinecenta films. Double feature. *The Lady Eve* and *Hail the Conquering Hero*. Admission charge. SUB Theatre.

8:00 p.m. Concert performed by Members from the UVic Faculty of Music in the Victoria International festival, sponsored by the Johannesen International School of the Arts. Tickets are \$4 general admission, \$2 for Students and Senior Citizens. MUSIC BUILDING, RE-CITAL HALL.

Thursday, July 21st.

7:30 p.m. Cinecenta films. *The Invitation*. Subtitles. Admission charge. SUB Theatre.

Friday, July 22nd.

7:30 p.m. Cinecenta films. *Still of the Night*. Admission charge. SUB Theatre.

Monday, July 25th.

McPherson Library Gallery. Faye Marie Anne Logie—Watercolors. Continues until Aug. 15.

UVic Recreation Program and School of Physical Education Presents "UVic Fitness Week" (July 25-29), with free fitness assessments and exercise counselling, aerobic demonstrations, lunch bag lectures and many more fun activities. All events and activities are free of charge. For further details or assessment bookings, contact the Recreation and Intramurals Office, MCKI GYM.

9:30 a.m. to UVic Summer Volleyball Camp. 3:30 p.m. Continues until July 29. Old Gym and Playing Fields.

Tuesday, July 26th.

Summer Session first term end.

7:30 p.m. Cinecenta films. *Lord of the Flies*. Admission charge. SUB Theatre.

Wednesday, July 27th.

Summer Session second term courses begin.

7:30 p.m. Cinecenta films. Double feature. *King Hearts and Coronets* and *The Ladykillers*. Admission charge. SUB Theatre.

8:00 p.m. Concert performed by Members the UVic Faculty of Music in the Victoria International Festival, sponsored by the Johannesen International School of the Arts. Tickets are \$4 general admission,

\$2 for Students and Senior Citizens. MUSIC BUILDING, RE-CITAL HALL.

Thursday, July 28th.

12:00 p.m. Board of Governors meeting. Senate & Board Room, University Centre.

7:30 p.m. Cinecenta films. *The Woman Next Door*. Subtitles. Admission charge. SUB Theatre.

Friday, July 29th.

Last day for adding courses which began on July 27.

7:30 p.m. Cinecenta films. *Time Bandits*. Admission charge. SUB Theatre.

Monday, August 1st.

British Columbia Day. University offices closed.

Tuesday, August 2nd.

7:30 p.m. Cinecenta films. *The French Lieutenant's Woman*. Admission charge. SUB Theatre.

Wednesday, August 3rd.

Supplemental examinations for Winter Session 1982-83 begin.

7:30 p.m. Cinecenta films. Double feature. *A Funny Thing Happened on the Way to the Forum* and *The Knack*. Admission charge. SUB Theatre.

8:00 p.m. Concert performed by Members from the UVic Faculty of Music in the Victoria International Festival, sponsored by the Johannesen International School of the Arts. Tickets are \$4 general admission, \$2 for Students and Senior Citizens. MUSIC BUILDING, RE-CITAL HALL.

Thursday, August 4th.

7:30 p.m. Cinecenta films. *I Sent a Letter To My Love*. Subtitles. Admission charge. SUB Theatre.

Friday, August 5th.

May-August classes end. Supplemental examinations for Winter Session 1982-83 end.

7:30 p.m. Cinecenta films. *An American Werewolf in London*. Admission charge. SUB Theatre.

Saturday, August 6th.

10:00 a.m. UVic Golf Tournament—Henderson Park Par 3, 9 or 18 holes. For further details, contact the Recreation and Intramurals Office, MCKI GYM.

Monday, August 8th.

Examinations begin for May-August courses.

8:00 p.m. Senior Secondary Summer Theatre Workshop presents "Rebel Without a Cause" by Nicholas Ray, directed by Barbara Russell. Continues nightly until Aug. 12. Roger Bishop Theatre, PHOENIX BUILDING.

Tuesday, August 9th.

10:30 a.m. UVic Vikette Field Hockey Clinic. to Continues until Aug. 10. Playing 4:30 p.m. Fields.

7:30 p.m. Cinecenta films. *Lolita*. Admission charge. SUB Theatre.

Wednesday, August 10th.

Last day for withdrawing without penalty of failure from Summer Session second term and full session courses.

7:30 p.m. Cinecenta films. Double feature. *Bananas* and *Sleeper*. Admission charge. SUB Theatre.

Thursday, August 11th.

7:30 p.m. Cinecenta films. *Beau Pere*. Subtitles. Admission charge. SUB Theatre.

Friday, August 12th.

Last day for early registration for 1983-84 Winter Session (does not include Education Professional Year or Law).

7:30 p.m. Cinecenta films. *The Elephant Man*. Admission charge. SUB Theatre.

Tuesday, August 16th.

Examinations end for May-August courses.

7:30 p.m. Cinecenta films. *Ragtime*. Admission charge. SUB Theatre.

Wednesday, August 17th.

7:30 p.m. Cinecenta films. Double feature. *La Cage Aux Folles* and *La Cage Aux Folles II*. Admission charge. SUB Theatre.

Thursday, August 18th.

Maltwood Art Museum and Gallery. Gordon Smith. Continues until Sept. 18.

Friday, August 19th.

Summer Session ends.

Monday, September 5th.

Labour Day. University offices closed.

Tuesday, September 6th.

Registration in person in all faculties begins (does not include Educational Professional Year or Law). No registration in the Professional Years in Education will be accepted after this date. Beginning of all Professional Years in Education. Only day for registration in Faculty of Law. First term classes begin, First Year, Faculty of Law.

Wednesday, September 7th.

Last day of registration (except as above).

First term classes begin, Second and Third Years, Faculty of Law.

Thursday, September 8th.

First term classes begin (except as above).

Friday, September 9th.

Last day for course changes in Faculty of Law. First day of period for dropping and adding courses which begin in first term in Faculties other than Law.

gazette

The Board of Governors reports the following proceedings from the regular meeting of June 20, 1983.

Resignations

The Board of Governors acknowledged receipt of the following resignations, effective the dates shown:

Daniel H. Devlin, trainer, University Health Services, effective August 31, 1983.

John Watson, manager, Food Services, effective August 31, 1983.

Promotions

The following faculty members were promoted to the rank of Professor, effective July 1, 1983:

Brian W. Dippie, Department of History
Keith R. Dixon, Department of Chemistry
R. Alan Hedley, Department of Sociology
John W. Langford, School of Public Administration
Gordana Lazarevich, School of Music
Angus G. McLaren, Department of History
Clare K. Porac, Department of Psychology
Pauline van den Driessche, Department of Mathematics
Howard A. Wenger, School of Physical Education
Charles R. Wicke, Department of History in Art

The following faculty members were promoted to the rank of Associate Professor, effective July 1, 1983:

Keith R. Bradley, Department of Classics
Daniel J. Bryant, Centre for Pacific and Oriental Studies
Marilyn J. Callahan, School of Social Work
Donald G. Casswell, Faculty of Law
Chad M. Gaffield, Department of History
Robert D. Gifford, Department of Psychology
C. Brian Harvey, Department of Psychological Foundations in Education
Terry W. Pearson, Department of Biochemistry and Microbiology

The following faculty member was promoted to the rank of Assistant Professor, effective July 1, 1983:

Bruce Vogt, School of Music

Special Appointments

Janet Beavin Bavelas, associate professor, Department of Psychology, appointed Associate Dean, Faculty of Graduate Studies, effective July 1, 1983 to June 30, 1988.

James R. Cutt, professor, School of Public Administration, appointed Acting Director, School of Public Administration, effective July 1, 1983 to Dec. 31, 1983.

Peter O. Evans, professor, Department of Communications and Social Foundations, appointed Acting Chairman, Department of

Communications and Social Foundations, effective Jan. 1, 1984 to June 30, 1984.

Elaine Limbrick, associate professor, Department of French Language and Literature, appointed Acting Dean of Humanities, Faculty of Arts and Science, effective July 1, 1983 to June 30, 1984.

Samuel L. Macey, Professor, Department of English, appointed Acting Dean, Faculty of Graduate Studies, effective July 1, 1983 to June 30, 1984.

New Appointments—Faculty

Douglas Collinge, B.Sc., M.Mus. (U. of Vic.), Victoria, B.C., appointed lecturer, School of Music, effective July 1, 1983 to June 30, 1985.

R. Nigel Horspool, B.A. (Cantab.) M.Sc., Ph.D. (Tor.), Montreal, P.Q., appointed associate professor, Department of Computer Science, effective Sept. 1, 1983 to June 30, 1986.

David F. Hultsch, B.A. (Lycoming College), M.A., Ph.D. (Syracuse), State College, Pennsylvania, appointed professor, with tenure, Department of Psychology, effective April 1, 1984.

Judith I. Mitchell, B.A., M.A. (Sask.), Ph.D. (Alta.), Victoria, B.C., appointed assistant professor, Department of French Language and Literature, effective July 1, 1983 to June 30, 1985.

Mary M. O'Sullivan, B.Ed. (Thomond College of Education), M.A. (U. of Vic.), Ph.D. (Ohio State), Columbus, Ohio, appointed assistant professor, School of Physical Education, effective July 1, 1983 to June 30, 1985.

Danielle Thaler, B.A. (U. of Montreal), M.A., Ph.D. (Tor.), Victoria, B.C., appointed assistant professor, Department of French Language and Literature, effective July 1, 1983 to June 30, 1985.

Yasu-Hiko Tohsaku, B.A., M.A. (Tokyo), M.A., Ph.D. (Calif., San Diego), San Diego, California, appointed assistant professor, Centre for Pacific and Oriental Studies, effective July 1, 1983 to June 30, 1985.

Cancellation of New Appointment—Faculty

Appointment of Simon Scanes as Assistant Professor, Department of Visual Arts to be effective July 1, 1983 approved by the Board of Governors at their meeting of May 16, 1983, cancelled.